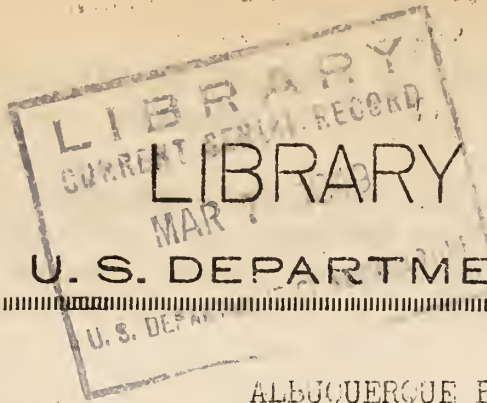
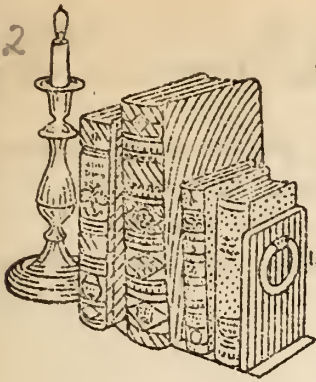


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NEWSLETTER

U. S. DEPARTMENT OF AGRICULTURE

ALBUQUERQUE BRANCH
P.O. Box 1348

Phone 6741-Ext. 108
Vol. 7, Nos. 4-5
5-6

220 East Central
Nov. & Dec. 1948

NEW BOOKS

CROP MANAGEMENT AND SOIL CONSERVATION, By J. F. Cox and L. E. Jackson. 572 p. .
2d ed. Wiley 1948 64 C83C

The authors tell how to increase yields, improve crop qualities, reduce the cost of production, and market crops efficiently. In this new edition they emphasize the latest achievements and improvements made during and just after the war. The book shows the importance of balancing production in accordance with market demands and describes methods of protecting soil from erosion losses. How to increase and maintain fertility is included as well as new soil conservation practices and recently developed tillage implements.

HYDRAULICS, By H. W. King. 5th ed. 351 p. Wiley 1948 290 K58H

"Although a quarter century has elapsed since this book was first prepared... it is still intended to present to the engineering student or to the practicing engineer the fundamental principles relating to fluids at rest or in motion as they apply to engineering practice and to illustrate those principles with practical problems.

"New text material is introduced on the variation of hydrostatic pressure with altitude in a compressible fluid; on the flow through gates and over dams; on the general consideration of the flow of liquids in pipes; on the analysis of flow in pipe networks; and on the resistance offered to motion of objects through a fluid." -- Preface

MAINTENANCE OF SHADE AND ORNAMENTAL TREES, By P. F. Pirone. 436 p. Oxford Univ. Press 1948 97.7 P66 Ed.2

A useful handbook on how to preserve the health of normal trees, how to transplant, fertilize, prune, brace, and spray trees. It explains the methods for detecting and controlling parasitic and non-parasitic injuries and diseases. It gives detailed summaries of the diseases and insect pests affecting trees and some shrubs.

This enlarged edition gives the latest information on new diseases and pests and their control by means of the newer insecticides and modern spraying machinery.

NORTH AMERICAN TREES (Exclusive of Mexico and Tropical United States) By R. J. Preston. 371 p. Iowa State College Press 1948 454 P92

Anyone interested in knowing how to identify the native trees will find this manual understandable and usable. In all, 568 species are treated. Drawings showing distribution maps and concise descriptions of botanical and silvical characters have been included for all of the important trees. Less important species are briefly described.

PRACTICAL RULES FOR GRAPHIC PRESENTATION OF BUSINESS STATISTICS, By L. E. Smart.
89 p. Bur. of Business Research, College of Commerce and Administration, Ohio
State Univ. 1947 251 Sm2

This monograph sets forth, with illustrations, the general rules and principles which should be followed in presenting economic data effectively and with integrity by graphic means. Graphic presentation by vertical-bar charts, horizontal-bar charts, pie-diagram charts, line-diagram charts, pictorial charts and maps is illustrated.

SEED TRADE BUYERS GUIDE. 32nd year 1949 225 Se3

Information on acreage of field seed harvested; seed laws for Arizona, Colorado, New Mexico and Utah; bulbs; dusting and spraying information; seed prices and production; and noxious weeds listed by states.

SOIL CONSERVATION - AN INTERNATIONAL STUDY. 189 p. Food and Agriculture Organization of the United Nations. 1948 28 F73

"This book tells how soil erosion happens and how it can be checked on farm lands, range lands, and forest lands. It gives the story of Kainginina, or shifting cultivation, long used in tropical and subtropical lands and how it can be improved to meet the needs of the people there and in other countries. It tells how science, in many places, is just now catching up with the farmer in conservation and land use." --Foreword

SOIL MECHANICS IN ENGINEERING PRACTICE, By Karl von Terzaghi and Ralph B. Peck.
566 p. Wiley. 1948 290 T28S

A lucid discussion of both principles and practices in soil mechanics. The book provides the knowledge and understanding of the subject. It offers definite directions by which the engineer can judge the extent to which soil mechanics can be profitably used on a given job.

THE TECHNIQUE OF GETTING THINGS DONE, By D. A. Laird 310 p. Whittlesey House
1947 140 L14Tec

"It isn't how much you know; but what you get done that really counts!" Dr. Laird, the author of many books on applied psychology, addresses his latest book to all those who have at any time been held back from progress and achievement because their will power and energy has been misdirected. The author believes that the biggest handicap to success is an inability to get things done. Some do not know how to plan their work, others are unable to make decisions quickly, while still other cannot apply themselves to tasks they dislike. Here are practical, time-proven solutions to such problems showing how a zigzag pattern of behavior can quickly be transformed into one of steady worthwhile accomplishment.

TIMBER ENGINEERS' HANDBOOK. H. J. Hansen, editor. 882 p. Wiley. 1948 99.79 H19

This handbook is a ready reference for the designing engineer and those interested in timber engineering. It brings under one cover the latest information necessary to the design of wood structures. The twenty chapters cover all the woods in use in the United States. More than half the book is devoted to safe loads for beams of all sizes based on current stress recommendations of the National Lumber Manufacturers' Association.

USING SALTY LAND, By H. Greene 49 p. Food and Agriculture Organization of the United Nations. 1943 28 F73

There is a wide range in the methods used to reclaim salty land - this publication gives examples from different parts of the world.

AGRICULTURAL ECONOMICS

THE BALANCE SHEET OF AGRICULTURE 1948 USDA Misc. Pub. 672 1949 1 Ag84M
 CATTLE RANCHING SOUTHEASTERN NEW MEXICO. N.M. Agr. Exp. Sta. Bul. 336 1948
 COMMERCIAL FAMILY-OPERATED CATTLE RANCHES - Intermountain Region 1930-47.
 Organization, costs, and returns. U.S. Bur. of Agr. Econ. F.M. 71. 1948
 1.941 L6F22
 FARM COSTS AND RETURNS, 1945-47, COMMERCIAL FAMILY-OPERATED FARMS IN 6 MAJOR FARMING
 REGIONS. U.S. Bur. of Agr. Econ. F.M. 70 1948 1.941 L6F22
 THE FARMER'S 1948 INCOME TAX. Ky. Agr. Ext. Circ. 461 1948 275.29 K41C
 HOW RECLAMATION PAYS. U.S. Bur. of Reclamation 1947
 Project payment histories and payout schedules with crop production histories.
 INVENTORY OF MAJOR LAND USES IN UNITED STATES USDA Misc. Pub. 663 1948 1 Ag84M

FORESTRY

EVERGREEN WINDBREAKS FOR IOWA FARMSTEADS. Iowa Agr. Exp. Sta. Bul. F-38 1948
 A FOREST INDUSTRIES SURVEY OF OKLAHOMA. Okla. Agr. Exp. Sta. Bul. B-325 1946
 LUMBER PRODUCTION IN THE UNITED STATES 1799-1946. USDA Misc. Pub. 669 1948
 SILVICULTURAL MANAGEMENT OF BLACK SPRUCE IN MINNESOTA. USDA Circ. 791 1948
 STAFF PUBLICATIONS - CALIFORNIA FOREST AND RANGE EXPERIMENT STATION 1916-1947
 43 p. 1947 WFC
 TREE BREEDING AT THE INSTITUTE OF FOREST GENETICS. USDA Misc. Pub. 659 1948
 WATERSHED MANAGEMENT RESEARCH CONEETA EXPERIMENTAL FOREST MACON COUNTY, NORTH
 CAROLINA May 1948. U.S. Forest Service. Southeastern Forest Experiment
 Station 1.9622 S4W31

RANGE AND PASTURE

THE ECONOMY OF USING LIGHT ANNUAL APPLICATIONS OF FERTILIZER ON PASTURE. Va. Agr.
 Exp. Sta. Bul. 414 1948 100 V81Sb.
 EFFECTS OF MOVING FREQUENCY ON THE YIELD AND PROTEIN CONTENT OF SEVERAL GRASSES
 GROWN IN PURE STANDS. Neb. Agr. Exp. Sta. Res. Bul. 150 1947 100 N27r
 FORAGE UTILIZATION ON SUMMER CATTLE RANGES IN EASTERN OREGON. USDA Circ. 796
 1948 1 Ag84C
 GROWING LADINO CLOVER IN NEW JERSEY. N. J. Agr. Exp. Sta. Bul. 736 1948
 Suggestions for seeding, management, and grazing.
 HOW TO KEEP AND INCREASE BLACK GRAMA ON SOUTHWESTERN RANGES. USDA Leaflet no.130
 1948 1 Ag84L
 LADINO CLOVER PASTURES FOR CATTLE, POULTRY, HOGS. North Carolina Ext. Circ. 301.
 1947 275.29 N811C
 NUTRITIVE VALUE OF WILD MEADOW HAY AS AFFECTED BY TIME OF CUTTING. Nevada Agr.
 Exp. Sta. Bul. 181 1948 100 N41Sb
 PASTURE AND FORAGE CROPS FOR IRRIGATED AREAS IN COLORADO. Colo. Ext. Serv. Bul.
 403-A 1948 275.29 C71B
 PASTURES AND PASTURE PROBLEMS IN NORTHEASTERN STATES. Pa. Agr. Exp. Sta. Bul. 485
 1946 100 P38b
 THE PLACE OF CRESTED WHEATGRASS ON WHEAT FARMS. Oregon Agr. Exp. Sta. Bul. 448.
 1947 100 Or3b

SOILS - FERTILIZER

BORON AND PLANT LIFE PART VI - Developments in Agriculture and Horticulture
 1943-46, by R. V. G. Dennis 1948 U.B. Plant
 NITRIFICATION CAPACITIES OF TEXAS SOIL TYPES AND FACTORS WHICH AFFECT NITRIFICATION.
 Texas Agr. Exp. Sta. Bul. 693 1947 100 T31Sb

SOILS - FERTILIZER (Cont.)

RECOMMENDED PRACTICES FOR SOIL EROSION CONTROL. Mont. Agr. Exp. Sta: Circ. 190
1948 100 M76C
SOIL MOISTURE AND WHEAT YIELDS ON THE HIGH PLAINS. USDA Leaflet no. 247 1948

REPORTS

The Library files the Annual Reports of the various USDA Bureaus and Offices. The 1948 printed reports are now being received and a few are listed below. If there are others you are interested in not listed here let us know. We may have them, if not we can get them for you.

REPORT OF THE CHIEF OF THE SOIL CONSERVATION SERVICE 1948
REPORT OF THE DIRECTOR OF FINANCE 1948
REPORT OF THE LIBRARIAN 1948
REPORT OF THE DIRECTOR OF PERSONNEL 1948
REPORT OF THE MANAGER OF THE FEDERAL CROP INSURANCE CORPORATION 1948
REPORT OF THE PRESIDENT OF THE COMMODITY CREDIT CORPORATION 1948

The Reports of the U.S. Forest Service Forest and Range Experiment Stations are of particular interest to USDA personnel in this region. They have lots of information much of it original research, on range research, watershed management, forest management, and forest pathology. They also list the publications of the staff members. These lists will lead you to additional information on these and related subjects.

U.S. INTERMOUNTAIN FOREST AND RANGE EXPERIMENT STATION.
Annual reports 1945 and 1946. Ogden, Utah 1.9622 I2An7

U.S. NORTHERN ROCKY MOUNTAIN FOREST AND RANGE EXPERIMENT STATION.
Thirty-seventh Annual Report for the Calendar Year 1947 Missoula, Montana

U.S. ROCKY MOUNTAIN FOREST AND RANGE EXPERIMENT STATION
Annual Report for the Calendar Year 1947 Fort Collins, Colo. 1.9622 R2An7

U.S. SOUTHWESTERN FOREST AND RANGE EXPERIMENT STATION
Annual Report, Calendar Year 1947 Tucson, Arizona

PERIODICAL NOTES

The Albuquerque Branch book and periodical budget was reduced for the 1948/49 fiscal year. This made it necessary to take the following action:

1. Limit purchase of books to a single copy of any one title. We will tell you more about that in our next Newsletter
2. Reduce the number of copies of several periodicals.
3. Eliminate several titles from our periodical list.

As a result of this action the Library no longer subscribes to: CONSUMERS RESEARCH BULLETIN, POPULAR PHOTOGRAPHY, NEW MEXICO HISTORICAL REVIEW, INDUSTRIAL AND ENGINEERING CHEMISTRY. The Library now receives only one copy of ARIZONA HIGHWAYS, CONSUMER UNION REPORTS, NEW MEXICO MAGAZINE. These periodicals will no longer be circulated on routing lists. They will be on file in the Library for the use of Albuquerque employees. They will also be sent to field personnel on special one week charges. Send in your request on form AD-245 and specify the month you wish to see. The January 1949 issues are now available for field loans.